

PI 550538 to 550542-continued

PI 550542 **origin:** United States. **origin institute:** North Dakota Agr. Exp. Sta., North Dakota State University, Fargo, North Dakota 58105. **cultivar:** ND254. **pedigree:** Selected from Rumanian Syn. D with 7 generations of self pollination and selection for plant and ear traits. **other id:** PL-66. **source:** Crop Sci. 23(6):1228 1983. **group:** CSR-MAIZE. **remarks:** Plants very short. Ear placement slightly below midplant. Leaves short wide. Tassels medium. Ears medium-long with 16 to 20 rows of yellow dent kernels. Maturity is AES200. Resistant to wheat streak mosaic virus, moderately resistant to first brood European corn borer (*Ostrinia nubilalis*), and intermediate resistance for maize dwarf mosaic virus, corn lethal necrosis, and eyespot (*Kabatialla zeal*). Annual. Breeding Material. Seed.

PI 550543. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Kahler, A., Agricultural Research Service -- USDA, Northern Grain Insects Research Lab, RR3, Brookings, South Dakota, United States. Received 1984.

**origin:** United States. **origin institute:** South Dakota Agr. Exp. Sta., South Dakota State University, Brookings, South Dakota. **cultivar:** NGSDCRW1(S2)C4. **pedigree:** R802/F109B hybrid interplanted with open-pollinated SDCRW1SYN population with subsequent selection for large root size and root-pull resistance. **other id:** GP-137. **source:** Crop Sci. 25(1):202 1985. **group:** CSR-MAIZE. **remarks:** Root system good. Resistant to western corn rootworm (*Diabrotica virgifera*). Annual. Breeding Material. Seed.

PI 550544. *Zea mays* L. subsp. *mays* POACEAE Corn

**Donated by:** Widstrom, N. W., Agricultural Research Service -- USDA, Southern Grain Insects Research Lab., P.O. Box 748, Tifton, Georgia, United States. Received 1983.

**origin:** United States. **origin institute:** Southern Grain Insects Research Lab., Tifton, Georgia 31793. **cultivar:** GT-R14. **pedigree:** Developed from 4 cycles of recurrent selection in RFC (crosses of B10/B14, Manfredi, and Corn Belt Composite with over 30 Latin American selections). **other id:** GP-128. **source:** Crop Sci. 24(3):626 1984. **group:** CSR-MAIZE. **remarks:** Yellow flint and dent synthetic. Tight husks. Resistant to the corn earworm (*Heliothis zea*). Annual. Breeding Material. Seed.